

IN THE DRAWINGS

“Replacement Sheet” is attached which includes a clean version of amended Figure 1.
The attached sheet replaces the original sheet including Figure 1.

“Annotated Sheet Showing Changes” is also attached which includes a marked-up
version of Figure 1.

REMARKS

In response to the Office Action mailed January 4, 2005, Applicant respectfully requests reconsideration.

As a preliminary matter, Applicant notes with appreciation the indication of allowable subject matter in claims 2, 4, and 14-17.

The Office Action required that Figure 1 be labeled as "Prior Art". This has been done. Review and approval of the proposed drawing correction is respectfully requested.

Claims 1-23 were rejected under 35 U.S.C. §112, second paragraph as being indefinite. The Office Action noted a number of phrases in claims 1, 4, 5, 6, and 7. In addition, the Office Action alleged that the functional language of the last two lines of claims 12 and 14 fails to be clearly related to the structure that performs the functions.

Applicant notes that claims 1-23 have been canceled without prejudice or disclaimer. In their place, Applicant has provided claims 24-49. New claims 24-49 overcome all of the clarity issues that the Office Action raised with respect to previously pending claims 1-23. In addition, as will be discussed below, new claims 24-29 clearly distinguish over the cited art.

Previously pending claims 1, 3, 5-13, and 18-23 were rejected under 35 U.S.C. §102(b) as being anticipated by Anderson. Applicant respectfully disagrees with this rejection.

The Office Action cites column 1, lines 6-9, and column 2, lines 38-45 of Anderson as disclosing rounding circuitry. The Office Action appears to suggest that these passages concerning "truncation circuitry" equates to the rounding circuitry recited in the claims. Contrary to the Office Action, the cited passages in Anderson say nothing about rounding circuitry or any rounding step in the method of Anderson. Clearly, this is not "rounding circuitry", but modifying or error correction circuitry. Clearly, Anderson does not teach or suggest circuitry for performing a round on the result to define a rounded result, wherein the rounded result falls within a third range -2^N to $2^N-1+2^{(N/2)-1}$.

Accordingly, claim 24 clearly distinguishes over Anderson and withdrawal of the rejection under 35 U.S.C. §102(b) is respectfully requested.

Claims 25-45 depend from claim 24 and are allowable for at least the same reasons.

Applicant has also added claims 46-49 to further define applicant's contribution to the art. The Office Action noted that previously pending claims 2, 4, and 14-17 contained allowable subject matter. Accordingly, Applicant has incorporated the subject matter of certain of these claims into claims 46-49 and believes that these claims are in allowable condition.

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CONCLUSION

A Notice of Allowance is respectfully requested. The Examiner is requested to call the undersigned at the telephone number listed below if this communication does not place the case in condition for allowance.

If this response is not considered timely filed and if a request for an extension of time is otherwise absent, Applicant hereby requests any necessary extension of time. If there is a fee occasioned by this response, including an extension fee, that is not covered by an enclosed check, please charge any deficiency to Deposit Account No. 23/2825.

Respectfully submitted,

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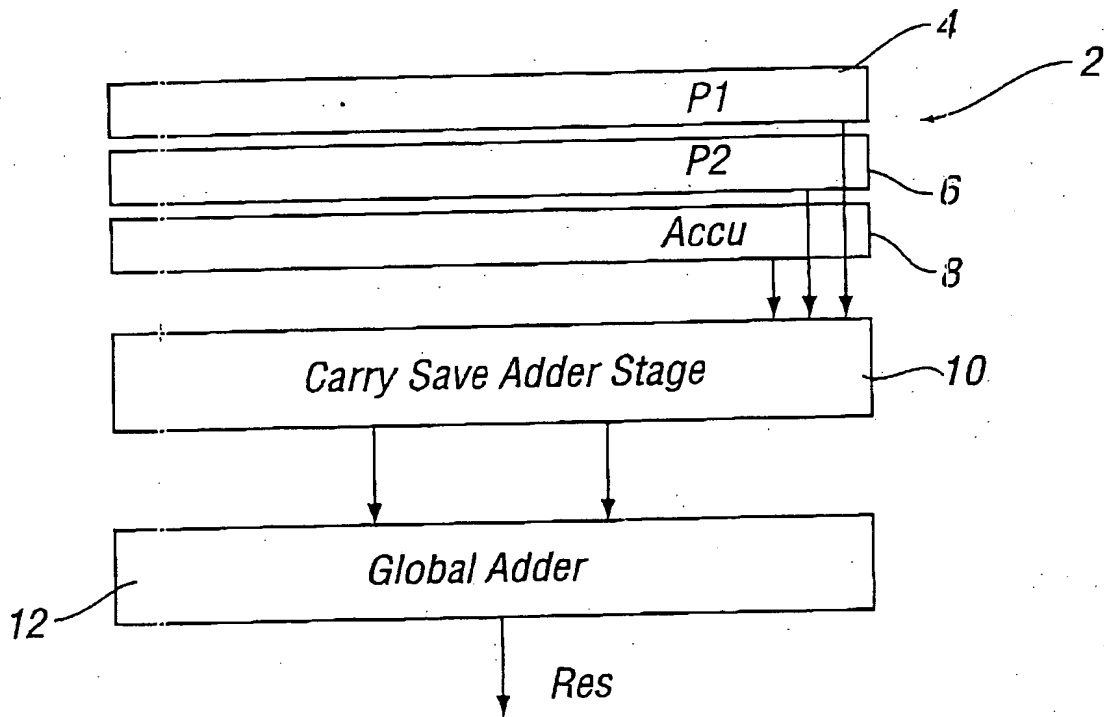


FIG. 1

Prior Art